

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Patent Application**

Applicant(s): Ari Juels  
Case: 4414-35  
Serial No.: To Be Assigned  
Filing Date: February 19, 2004  
Group: To Be Assigned  
Examiner: To Be Assigned

Title: Low-Complexity Cryptographic Techniques for Use  
with Radio Frequency Identification Devices

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

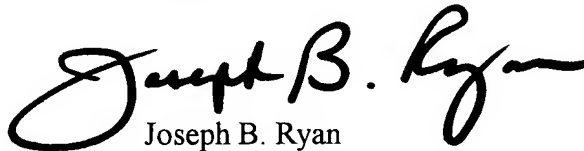
Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicant's attorney wishes to bring to the attention of the Patent and Trademark Office the following documents listed on the accompanying Form PTO-1449. A copy of each listed document is enclosed.

1. "23 mm Glass Transponder," Radio Frequency Identification Systems, Texas Instruments, 1 page, December 2001.
2. "12 mm Wedge Transponder," Radio Frequency Identification Systems, Texas Instruments, 1 page, December 2001.
3. M. Jakobsson et al., "Security Weaknesses in Bluetooth," 16 pages, 2001.
4. "Read/Write Transponder," Atmel, 22 pages, April 2003.
5. S.A. Weis et al., "Security and Privacy Aspects of Low-Cost Radio Frequency Identification Systems," Proceedings of the First International Conference on Security in Pervasive Computing, 12 pages, 2003.
6. S.A. Weis, "Security and Privacy in Radio-Frequency Identification Devices," Master of Science Thesis, MIT, pp. 1-79, May 2003.

7. A. Juels et al., "Squealing Euros: Privacy Protection in RFID-Enabled Banknotes," Financial Cryptography, Springer-Verlag, 18 pages, 2003.
8. P. Golle et al., "Universal Re-encryption of Mixnets," Springer-Verlag, 14 pages, 2002.
9. D.L. Brock, "The Electronic Product Code (EPC): A Naming Scheme for Physical Objects," White Paper, MIT-AUTOID-WH-002, MIT Auto-ID Center, <http://www.autoidcenter.org>, pp. 1-21, January 2001.
10. Auto-ID Center, Technical Report, "13.56 MHz ISM Band Class 1 Radio Frequency Identification Tag Interface Specification: Recommended Standard, Version 1.0.0," MIT-AUTOID-TR-011, MIT Auto-ID Center, <http://autoidcenter.org>, pp. 1-31, February 2003.
11. S. Garfinkel, "An RFID Bill of Rights," Technology Review, Page 35, October 2002.
12. S.E. Sarma et al., "RFID Systems, Security & Privacy Implications," White Paper, MIT-AUTOID-WH-014, MIT Auto-ID Center, pp. 1-16, November 2002.
13. S.E. Sarma et al., "Radio-Frequency Identification: Security Risks and Challenges," RSA Laboratories, CryptoBytes, Vol. 6, No. 1, pp. 1-32, Spring 2003.
14. D.W. Engels, "HF Identity Tag Action Group: Scope and Deliverables," Technical Report, MIT-AUTOID-TR-020, MIT Auto-ID Center, pp. 1-5, July 2003.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or as an admission that the information cited is considered to be material to patentability, or as a representation that no other material information exists.

Respectfully submitted,



Date: February 19, 2004

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**LIST OF PUBLICATIONS FOR  
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**U.S. PATENT DOCUMENTS**

EXAMINER				FILING DATE
INITIAL	DOCUMENT NO.	DATE	NAME	IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

EXAMINER				TRANSLATION	
INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	YES NO

**OTHER DOCUMENTS**

EXAMINER		
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1. "23 mm Glass Transponder," Radio Frequency Identification Systems, Texas Instruments, 1 page, December 2001.
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**OTHER DOCUMENTS (cont'd)**

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- 13. S.E. Sarma et al., "Radio-Frequency Identification: Security Risks and Challenges," RSA Laboratories, CryptoBytes, Vol. 6, No. 1, pp. 1-32, Spring 2003.
- 14. D.W. Engels, "HF Identity Tag Action Group: Scope and Deliverables," Technical Report, MIT-AUTOID-TR-020, MIT Auto-ID Center, pp. 1-5, July 2003.

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